



**Minuteman
Repeater
Association**

**The
Minuteman**



Volume 52 SPECIAL August 2023

The Minuteman Repeater Association is a non-profit organization providing communications infrastructure and volunteers for community and emergency events.

SPECIAL EDITION!

Northeast HamXposition

August 25, 26, & 27

ARRL Convention ~ New England Division

Best Western Royal Plaza Hotel & Trade Center

Marlborough, Massachusetts

<https://hamxposition.org/>

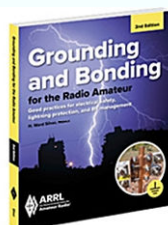
Come visit us in the Executive Room (down the aisle across from the exhibit hall) where you can meet some of our members, join our club, and enter a chance to win one of our great door prizes. Membership not required to win, and you don't have to be present to win.

Winners drawn Sunday at noon

First Prize: YAESU VX-6R 144 / 220 / 430 HT

Second Prize: ADA-1 Antenna Disconnect Actuator

Third Prize: Grounding and Bonding for the Radio Amateur



***Find our Fox Box,
somewhere on the hotel
grounds.***

**The MMRA Fox Box
transmits on 145.63 MHz
with a 146.2 Hz PL.
Transmissions repeat ~ 165
seconds. It will be moved to
a 2nd location Saturday
afternoon**

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Band	XMTR Location	Freq	PL	Call	Linking To:	
					Hub 1	Hub 2
10m	Marlboro East	29.680	131.8 Linked to 146.79: 9am-3pm every day	W1MRA	PTL	PTL
6m	Marlboro East Remote receive Marlboro West: PL=100	53.810	71.9	W1BRI	PTL	PTL
2m	Brookline	145.160	na	K1MRA	D-Star (REF050C)	
	Belmont	145.430	146.2	KC1CLA	PTL	FTL: DARI
	Mendon	146.610		K1KWP	FTL	PTL
	Quincy	146.670		W1BRI	FTL	PTL
	North Reading	146.715		KC1US	FTL	PTL
	Weston	146.790		W1HAI	PTL	PTL
	Boston	146.820		Linked to 29.68: 9am-3pm every day		
	Billerica	147.120 Output tone = 162.2		K1BOS	FTL	PTL
	Marlborough	147.270		W1DC	PTL	PTL
				W1MRA	PTL	PTL
1½m	Marlborough	223.940	103.5	W1MRA	FTL	PTL
	Quincy	224.400		N1KUG	FTL	PTL
	Weston	224.700		N1NOM	PTL	PTL
	Burlington	224.880		KC1US	FTL	PTL
70cm	Lowell	442.250	88.5	K5TEC	FTL	PTL: 446.775
	Weston *	442.700	88.5	N1DCH	Network Hub 2 (PTL to Hub 1)	
	North Reading System Fusion	446.775	88.5 Linked 71.9 Local	W1DYJ	FTL [88.5]	PTL [88.5]
	Marlborough	448.225	na	W1MRA	D-Star (REF050C)	
	Hopkinton System Fusion	449.575	88.5 Linked 71.9 Local	W1BRI	FTL [88.5]	PTL [88.5]
	Marlborough *	449.925	88.5	W1MRA	Network Hub 1	
33cm	Boston *	927.0625	D244	K1RJZ	PTL	PTL
	Marlborough *	927.700 PL out = 131.8		W1MRA	PTL	PTL
Marlborough		144.390	none	W1MRA	APRS Digipeater	
???		145.630	146.2	W1MRA	Fox Box	
*Internet	HUB1- 449.925: IRLP node 4133 / Echolink node 4133					
	Connected to Echolink NEWENG2 conference (9127) for TIAOS net.					
	HUB2 - 442.700: IRLP node 4136 / Echolink node 4136 Connected to 220 Reflector 9124 on Tuesdays					
	927.0625: IRLP 4977			Normally linked to the NE900 Reflector, 9125. Linked to MMRA via "NEW-ENG2" node 9127 for the TIAOS net. Normally linked together.		
927.700: IRLP 4978						
	Notes: FTL = Full Time Linked (or default state) PTL = Part Time Linked (on schedule or demand) Note — a repeater can be linked to only one Hub at a time, however the two hubs can also be linked together.					

President's Corner ~ David Hornbaker, N1DCH

Welcome to HamXposition!

Please stop by and say hello. We are located in the Executive Room (E-5, across from the vendor area and next to the W1A special events station.) While you are there you can renew your membership (memberships expire this month) and sign up for the raffle.

Fox Box: The MMRA Fox Box will be deployed during the convention. Brush up on your Radio Direction Finding skills and try to locate the box.

VE Exams: There are three license exam sessions at HamXposition: check: [HamXposition - License Exam Sessions](#) or contact Ron – WO1E at ve@mmra.org or wo1e@mmra.org. Please remember to bring a State ID, your FRN, and if upgrading an Official copy of your current license.

Membership renewal: All MMRA memberships expire on August 31. Please check your profile and if your membership has expired or will expire soon, please renew. If you will not be attending HamXposition, renewals may be done on the website, or you can mail your renewal to Minuteman Repeater Association, PO Box 669, Stow, MA 01775-0669. Please allow 7 days for us to process your renewal. Please allow 14 days for renewals that are mailed. While you're on the website (<https://www.mmra.org>) checking your expiration date, please verify your email address.

Tuesday Net: Join us Tuesday nights at 8:00 PM for our weekly Technical Information and Other Stuff (TiaOS) net. There is always a lively discussion on all sorts of HAM issues, including equipment, antennas, software, repeaters, and other stuff. The main purpose is to test our ability to link up the repeaters in case of an emergency or to support an event like the Boston Marathon. You can also join via EchoLink if your radio is a little under the weather. See below for more information.

You can find out more information about how and when the repeaters are linked on the website: (https://www.mmra.org/repeaters/repeater_linking.html).

**Meet us in the
Executive Room, E-5.**

**Purchase
Raffle Tickets.**

**Raffle tickets are
\$2 each, 3 for \$5,
7 for \$10.**

**Get 3 if you renew for
two years!**

The MMRA FOXBOX will be hidden somewhere in the convention area. The BOX periodically transmits on 145.630 Mhz PL 146.2.



**Minuteman
Repeater
Association**

If you find the box please leave your call on the notepad in the "mailbox". All who find the box (including Sunday) will be announced in an upcoming MMRA newsletter and at www.mmra.org. The box will be moved ~5PM on Saturday.

Callsigns of those who find the box on Friday/Saturday will be posted in the MMRA booth on Sunday AM.

Contacting the MMRA



Members: mmra@groups.io

Note: This may take some time.

You must be approved by the moderator.

Officers: contact@mmra.org

Control Ops: control-ops@mmra.org



<http://www.mmra.org/>



<https://www.facebook.com/mmraham>

MMRA VE SESSIONS

Check out <https://www.mmra.org/exam.html> or email ve@mmra.org

Ask your friends to become a member Just let them know that it is not fully automated. Although they can log into the MMRA website immediately, they need to be manually processed. This could take up to a week.

If you haven't updated your MMRA profile in a while,
now is the time!

Go to < MMRA.ORG > and log in to do so.

Previous issues of the MMRA Newsletter are available
at: www.mmra.org > [Newsletter Archive](#) (on the left)

Heavy Hitters Traffic Net

This net is active on our repeaters Sunday to Friday evenings from 10—11 PM. Active repeaters are:

2m: Mendon (146.61), Quincy (146.67), North Reading (146.715), Boston (146.82), and Marlborough (147.27)

220: Marlborough (223.94), Quincy (224.40), Weston (224.70), and Burlington (224.88),

440: Lowell (442.25), North Reading (446.775), Hopkinton (449.575), and Marlborough (449.925)



NEW ENGLAND SCI-TECH

New England Sci-Tech Inc is a new 501(c)(3) STEM education center, amateur radio training center, and maker space located at 16 Tech Circle, Natick. It is home to New England Amateur Radio Inc (NE1AR) and the youth radio club Sci-Tech Amateur Radio Society (STARS). NE Sci-Tech welcomes memberships and donations via www.NESciTech.org or www.NE1AR.org.

Get connected on the MMRA Repeater System ~ Dave Hornbaker N1DCH

What is the best way to get connected on the MMRA repeater system? Try announcing yourself! Just say your call sign followed by "listening". If you want, you can include the last 3 digits of the repeater frequency. For example, "N1DCH listening" or maybe "N1DCH listening on 925", you may very well get a response. Try to connect by announcing yourself several times.

Most of the time, Marlborough Hub1 (449.495) is linked to the following repeaters, Boston (146.820), North Reading (446.775), Mendon (146.610), Lowell (442.250), and Hopkinton (449.575). Remember that when the repeaters are linked, you need to wait two or three seconds after you key up and before you speak. This is especially important on the TlaOS net on Tuesday when most of the repeaters are linked.

You can also link (and delink) the repeaters yourself. See the information you received when you became a member, or check the [User Control Codes](#) once you log into the MMRA web.

Try one of the non-linked repeaters too. There are Hams monitoring them as well. For more information on the repeater network and how it is linked at various times, check out https://mmra.org/repeaters/repeater_linking.html.